License Management for MVS Sites

Information Builders now has a license management facility. This facility does not disable
FOCUS. It is a mechanism which registers your copy of FOCUS with Information Builders.
IBI has not changed how we license our software.

Overview

Information Builders license management facility is actually a processor registration facility.
IBI takes the CPU id and provides an encrypted processor id. This encrypted string is
generated by IBI. If your processor has not been registered, a warning message is displayed at
FOCUS initialization. If your copy of FOCUS is registered and then run on a processor other
than the one on which FOCUS was registered, a violation message is displayed. At no time is
the product disabled.

In order to generate a CPU registration id, IBI needs the following information:

- CPU serial number (4 digits)

- Maximum number of processors in this box

Syntax   **Obtaining the CPU id**

If FOCUS release 7.0.8 or above is installed, issue the following command from the FOCUS prompt:

```
? CPUID
```

This displays the following information:

```
OBSERVED CPU:
******* Processor mmmm  Model nnnn  Max  pp
LICENSED CPU(S)
******* NONE
```

Where:

mmmm
    is the Processor id.

nnnn
    is the model number.

pp

is the number of processors in the box.

Obtaining the CPU id from the Operator Console

If FOCUS Release 7.0.8 is not installed, the CPU information can be obtained from the operator console by issuing the following MVS operator command:

```
D M=CPU
```

This displays the following information:

```
IEE174I 12.16.10 DISPLAY M 218

PROCESSOR STATUS

ID   CPU        SERIAL
1    +          1115379121
2    +          2115379121
3    +          3115379121
4    +          4115379121
```

The CPU id and model are identified by the right-most eight digits.

Installation Instructions

1. Issue the appropriate command to learn the CPU id.

2. Call Information Builders Customer Support Service (CSS) at (800) 736-6130 or (212) 736-6130. Customer Support Consultants are available between 8:00 a.m. and 8:00 p.m. EST.

3. Give the CPU id information for all CPUs to the Customer Support Consultant. They will provide you with the registration id for each CPU.

4. Apply the ZAP. (See next section).

Apply the ZAP

This is done with the standard MVS AMASPZAP utility. It is applied to the section LIST in IBICPUID module. The list can contain up to 128 CPU registration ids. Each CPU registration id value must be zapped instead of zeroes at offsets X'10' for the first id, X'20' for the second, X'30' for the third, etc.

The MVS JCL example follows:

```
//... your job card here
//...
//********************************************************************
```

```
//*
//*                FOCUS Processor ID Registration
//*
//*********************************************************************
//*
//*   Usage: 1. Issue D M=CPU from the operator console
//*             or the ? CPUID from within FOCUS Release 7.0.8
//*             on all processors where FOCUS is licensed.
//*
//*          2. Contact IBI, communicate this information, and receive
//*             one encrypted string for each processor.
//*
//*          3. Put these encrypted strings in member REGCPUIN in
//*             FOCCTL.DATA starting at offset x'10' for the first id,
//*             x'20' for the second id, and so on for up to
//*             128 processor ids.
//*
//*          4. Insert a job card here and specify high-level
//*             qualifiers for SYSLIN and SYSIN datasets.
//*
//*          5. Submit this job.
//*
//*
//*********************************************************************
//IBIZAP   EXEC PGM=AMASPZAP,PARM=IGNIDRFULL
//SYSPRINT DD   SYSOUT=A
//SYSLIB   DD   DSN=prefix.FOCLIB.LOAD,DISP=SHR
//SYSIN    DD   DSN=prefix.FOCCTL.DATA(REGCPUIN),DISP=SHR
```

An example of REGCPUIN

```
* This file contains input for REGCPUID.
* It may contain up to 128 encrypted processor ids.
* Contact IBI to receive encrypted strings for the REP statements.
```

```
NAME IBICPUID LIST
REP  10  83832202B0
REP  20  0B030205B0
```

Warning Message

If license management is not implemented for your site the following message appears at the
beginning of all users FOCUS sessions.

```
FOCUS  7.0.8   11/19/1997  12.47.41
****************************************************************************
* WARNING:                                                                *
* THIS COPY OF FOCUS IS NOT YET REGISTERED. PLEASE CONTACT IBI.           *
* "EX READMEF" FOR COMPLETE DETAILS.                                      *
****************************************************************************
OBSERVED CPU:
****** Processor mmmm Model nnnn Max pp
LICENSED CPU(S):
****** NONE
>
```

Where:

mmmm

is the Processor id.

nnnn

is the model number.

pp

is the number of processors in the box.

Violation Message

If license management is implemented for a copy of FOCUS and it is run on another processor,
the following message appears at initialization. This message also occurs if the installation
process for license management is in error.

```
FOCUS  7.0.8   11/19/1997  12.44.54
****************************************************************************
* VIOLATION:                                                              *
* THIS COPY OF FOCUS IS RUNNING ON AN UNLICENSED CPU. PLEASE CONTACT IBI.  *
```

```
*    "EX READMEF" FOR COMPLETE DETAILS.                                       *

*************************************************************************

OBSERVED CPU:

******* Processor mmmm Model nnnn Max pp

LICENSED CPU(S):

******* Processor mmmm Model nnnn Max pp ==> Registration ID qqqqqqqqq

>
```

Where:

mmmm
>   is the Processor id.

nnnn
>   is the model number.

pp
>   is the number of processors in the box.

qqqqqqqqq
>   is the encrypted processor id.

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Overview

Information Builders license management facility is actually a processor registration facility. IBI takes the CPU id and provides an encrypted processor id. This encrypted string is generated by IBI. If your processor has not been registered, a warning message is displayed at FOCUS initialization. If your copy of FOCUS is registered and then run on a processor other than the one on which FOCUS was registered, a violation message is displayed. At no time is the product disabled.

In order to generate a CPU registration id, IBI needs the following information:

- CPU serial number (4 digits)

- Maximum number of processors in this box

Syntax   **Obtaining the CPU id**

If FOCUS release 7.0.8 or above is installed, issue the following command from the FOCUS prompt:

? CPUID

This displays the following information:

OBSERVED CPU:

******* Processor mmmm Model nnnn Max pp

LICENSED CPU(S)

******* NONE

Where:

mmmm

is the Processor id.

nnnn

is the model number.

is the number of processors in the box.

Syntax   **Obtaining the CPU id from the Operator Console**

If FOCUS Release 7.0.8 is not installed, the CPU information can be obtained from the operator console by issuing the following CP command:

CP QUERY CPUID

This displays the following information:

CPUID = FF17**29739021**0000

The CPU id and model are identified by the middle eight digits.

Installation Instructions

1. Issue the appropriate command to learn the CPU id.

2. Call Information Builders Customer Support Service (CSS) at (800) 736-6130 or (212) 736-6130. Customer Support Consultants are available between 8:00 a.m. and 8:00 p.m. EST.

3. Give the CPU id information for all CPUs to the Customer Support Consultant. They will provide you with the registration id for each CPU.

4. Apply the ZAP. (See next section).

5. Rerun the COPYFS EXEC which copies the zapped version of FOCLIB LOADLIB to the production disk. Or you can apply the zap first before running the COPYFS EXEC.

Apply the ZAP

This is done with the standard VM ZAP utility. It is applied to the section LIST in IBICPUID module. The list can contain up to 128 CPU registration ids. Each CPU registration id value must be zapped instead of zeroes at offsets X'10' for the first id, X'20' for the second, X'30' for the third, etc.

The EXEC example follows:

```
/**
```

FOCUS Processor ID Registration

```
         Usage: 1. Issue CP QUERY CPUID from the operator console
                   or the ? CPUID from within FOCUS Release 7.0.8
                   on all processors where FOCUS is licensed.


                2. Contact IBI, communicate this information, and receive
                   one encrypted string for each processor.


                3. Put these encrypted strings in the file REGCPUIN ZAP
                   starting at offset x'10' for the first id,
                   x'20' for the second id, and so on for up to
                   128 processor ids.


                4. With the FOCUS Maintenance disk accessed R/W as A,
                   from the CMS Ready prompt, run the REGCPUID exec


        Output: FOCUS registered for given Processor IDs.
**/
   trace 'N'
   address 'COMMAND'


   'ZAP LOADLIB FOCLIB (INPUT REGCPUIN'
   exit rc
```

An example of REGCPUIN ZAP

```
* This file contains input for REGCPUID.
* It may contain up to 128 encrypted processor ids.
* Contact IBI to receive encrypted strings for the REP statements.
NAME IBICPUID LIST
REP  10  83832202B0
REP  20  0B030205B0
```

Warning Message

If license management is not implemented for your site the following message appears at the beginning of all users FOCUS sessions.

```
FOCUS  7.0.8   11/19/1997  12.47.41
*************************************************************************
* WARNING:                                                             *
* THIS COPY OF FOCUS IS NOT YET REGISTERED. PLEASE CONTACT IBI.        *
* "EX READMEF" FOR COMPLETE DETAILS.                                  *
*************************************************************************
OBSERVED CPU:
******* Processor mmmm Model nnnn Max pp
LICENSED CPU(S):
******* NONE
>
```

Where:

mmmm
    is the Processor id.

nnnn
    is the model number.

pp
    is the number of processors in the box.

Violation Message

If license management is implemented for a copy of FOCUS and it is run on another processor, the following message appears at initialization. This message also occurs if the installation process for license management is in error.

```
FOCUS  7.0.8   11/19/1997  12.44.54
*************************************************************************
* VIOLATION:                                                           *
* THIS COPY OF FOCUS IS RUNNING ON AN UNLICENSED CPU. PLEASE CONTACT IBI. *
* "EX READMEF" FOR COMPLETE DETAILS.                                  *
```

```
*************************************************************************

OBSERVED CPU:

****** Processor mmmm Model nnnn Max pp

LICENSED CPU(S):

****** Processor mmmm Model nnnn Max pp ==> Registration ID qqqqqqqqq

>
```

Where:

mmmm
    is the Processor id.

nnnn
    is the model number.

pp
    is the number of processors in the box.

qqqqqqqqq
    is the encrypted processor id.